

Converting Colors

$Y_{xy}(15.9241, 0.2570, 0.4451)$

Have a look what the booklet for
Yxy(15.9241, 0.2570, 0.4451)
contains.

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Color

$\text{Yxy}(16.0475, 0.2576, 0.4472)$

Conversions

Conversions Part 1

Format	Color
Hex	008052
RGB	0, 128, 82
RGB Percent	0%, 50%, 32%
CMY	0.9993, 0.4980, 0.6784
CMYK	1.00, 0.00, 0.36, 0.50
HSL	158°, 100%, 25%
HSV	158°, 100%, 50%
XYZ	9.2438, 16.0475, 10.5931
YIQ	84.4840, -61.5220, -41.4420

Conversions

Conversions Part 2

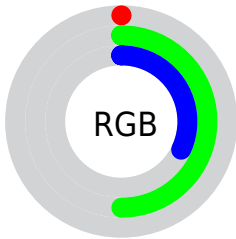
Format	Color
RYB	0, 78, 128
Decimal	32850
CIELab	47.04, -41.77, 16.70
CIELCh	47, 44.988, 158.211
Yxy	16.0475, 0.2576, 0.4472
Android (android.graphics.Color)	4278222930 (0xFF008052)
YUV	84.4840, -1.2246, -74.0925
Hunter-Lab	40.0593, -28.9144, 12.3632

Details

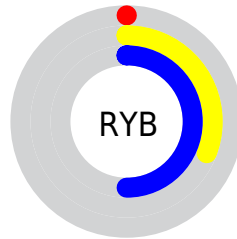
The Yxy color **16.0475, 0.2576, 0.4472** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **4.7917, 0.5457, 0.2782**, and the grayscale version is **8.9951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7841, 0.2723, 0.4154**, and **5.4413, 0.2698, 0.4914** is the 20% darker color. If you saturate the color by 10%, you get **16.0459, 0.2576, 0.4474**, and if you desaturate by 10%, it is **16.2049, 0.2567, 0.4339**.

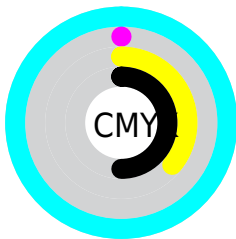
Distribution



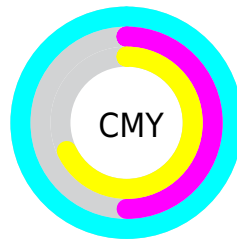
- Red (0%)
- Green (50%)
- Blue (32%)



- Red (0%)
- Yellow (31%)
- Blue (50%)



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (50%)




- Cyan (100%)
- Magenta (50%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0475, 0.2576, 0.4472 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 16.0475, 0.2576, 0.4472 by changing the saturation by 10% instead.


 16.0475, 0.2576,
0.4472


 16.0475, 0.2576,
0.4472


 229.6218, 0.2919,
0.3737


 9.5578, 0.2455,
0.4732


 36.6806, 0.2723,
0.4157


 5.1067, 0.2269,
0.5131

 51.5929, 0.2771,
0.4055


 2.3100, 0.1947,
0.5820

 70.0813, 0.2808,
0.3974

 0.7790, 0.0000,
1.0000

 92.5305, 0.2839,
0.3908

 0.0000, 0.0000,
0.0000

 119.3248, 0.2864,
0.3854

 150.8485, 0.2885,

0.3809

187.4860, 0.2903,
0.3770

■ 16.0475, 0.2576,
0.4472

■ 16.0475, 0.2576,
0.4472

■ 16.0459, 0.2576,
0.4474

■ 16.2049, 0.2567,
0.4339

■ 16.4135, 0.2571,
0.4205

■ 16.7022, 0.2594,
0.4071

■ 17.0799, 0.2635,
0.3939

■ 17.5545, 0.2691,
0.3811

■ 18.1327, 0.2762,
0.3690

■ 18.8210, 0.2844,
0.3577

■ 19.6250, 0.2934,
0.3472

■ 20.5501, 0.3030,
0.3376

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



16.0475, 0.3400, 0.4946



16.0475, 0.2576, 0.4472



16.0475, 0.1950, 0.3510

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16.0475, 0.2576, 0.4472



16.0475, 0.2011, 0.1972



16.0475, 0.4864, 0.3546

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



16.0475, 0.2576, 0.4472



4.7917, 0.5457, 0.2782

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



16.0475, 0.4400, 0.2936



16.0475, 0.2576, 0.4472



16.0475, 0.2649, 0.2080

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



16.0475, 0.2576, 0.4472



16.0475, 0.1681, 0.2139



16.0475, 0.3533, 0.2420



16.0475, 0.4755, 0.4183

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



16.0475, 0.2576, 0.4472



16.0475, 0.1715, 0.2896



16.0475, 0.3533, 0.2420



16.0475, 0.4772, 0.3337

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



16.0481, 0.2576, 0.4472



33.0299, 0.2837, 0.3586



16.0436, 0.3226, 0.5819



7.6286, 0.2807, 0.3625



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.0481, 0.2576, 0.4472



28.2244, 0.2584, 0.4503



12.9189, 0.2133, 0.2877



4.8614, 0.3037, 0.3369



15.9116, 0.2576, 0.4473



0.0000, 0.0000, 0.0000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



4.7917, 0.5457, 0.2782



8.4025, 0.5519, 0.2814



4.9974, 0.6240, 0.3424



4.3679, 0.3227, 0.3213



4.7468, 0.5461, 0.2782



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.0475, 0.2576, 0.4472 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 16.0475, 0.2576, 0.4472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.0475, 0.2576, 0.4472

Background



This preview shows how black text looks on a background with the Yxy color 16.0475, 0.2576, 0.4472.



This preview shows how white text looks on a background with the Yxy color 16.0475, 0.2576, 0.4472.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

16.0475, 0.2576, 0.4472

Protanopia

15.8699, 0.3720, 0.4016

Deuteranopia

15.9493, 0.3731, 0.3677



Tritanopia

16.1429, 0.2318, 0.3066

Trichromacy



Original Color

16.0475, 0.2576, 0.4472



Protanomaly

14.8091, 0.3060, 0.4228



Deuteranomaly

14.7563, 0.3069, 0.3995



Tritanomaly

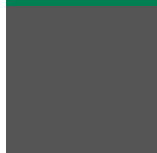
15.8914, 0.2386, 0.3526

Monochromacy



Original Color

16.0475, 0.2576, 0.4472



Achromatopsia

9.0842, 0.3127, 0.3290



Achromatomaly

10.7317, 0.2723, 0.3758

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0475, 0.2576, 0.4472 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 128, 82)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 82)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 128, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 82) }
```

Border

The CSS property to change the border of an element to Yxy 16.0475, 0.2576, 0.4472 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 128, 82) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 128, 82) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 128, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 82);  
box-shadow:4px 4px 4px 4px rgb(0, 128, 82)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.0475, 0.2576, 0.4472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 82) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 128,  
82) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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